

Date: Monday, 10/22/2007 10:33:15 AM
 User: Kim Johnston

Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services		Drawing Name	: HARNESS ASSEMBLY		
Job Number	: 35254					
Estimate Number	: 11380					
P.O. Number	: N/A		Part Number	: D3215043		
This Issue	: 10/22/2007	S.O. No. : SJA	Drawing Number	: D3215 REV D		
Prsht Rev.	: NC		Project Number	: N/A		
First Issue	: / /		Drawing Revision	: D		
Previous Run	: 30606		Material	: N/A		
Written By			Due Date	: 10/31/2007		
Checked & Approved By			Qty:	8 Um: Each		
Comment	: Est. A 03.10.28 New Issue KJ/RF est B 07.06.12 ecn 940 EC					

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :	
1.0	PG	PURCHASING	
		Comment: PURCHASING Issue P/O: 4863 to Tulmar Safety Systems D3215-043 as per Dwg D3215 Ship to Tulmar Certificate of Conformity is required	
2.0	D3215043	Harness Assembly	
		Comment: Qty.: 1.0000 Each(s)/Unit Total : 8.0000 Each(s) Harness Assembly	
3.0	D32153	Webbing Tidy	
		Comment: Qty.: 2.0000 Each(s)/Unit Total : 16.0000 Each(s) Webbing Tidy Qty Part Number Description Batch 5X B30614 11X B35283 2 D3215-3 Webbing Tidy 5X B30614 11X B35283 C2	
4.0	D32161	Fitting	
		Comment: Qty.: 2.0000 Each(s)/Unit Total : 16.0000 Each(s) Fitting Qty Part Number Description Batch 14X B30615 12X B35284 2 D3216-1 Fitting 14X B30615 12X B35284 C4	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA:  Date: 07/11/09
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Monday, 10/22/2007 10:33:15 AM
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Process Sheet

Customer: QU-DAR001 Dart Helicopters Services		Drawing Name: HARNESS ASSEMBLY
Job Number: 35254		Part Number: D3215043
Job Number:		
Seq. #:	Machine Or Operation:	Description :
5.0	D32163	Fitting
Comment: Qty.: 1.0000 Each(s)/Unit Total : 8.0000 Each(s) Fitting Qty Part Number Description Batch 1 D3216-3 Fitting 54XB30615/3XB3588 C2		
6.0	PACKAGING 1	PACKAGING RESOURCE #1
Comment: PACKAGING RESOURCE #1 Receive & Inspect For Transit Damage Ensure certificate of conformity is attached		7/11/07 SP 8X
7.0	QC6	DIMENSIONAL CHECK
Comment: DIMENSIONAL CHECK		E A 11/07 XG <i>counts</i>
8.0	PACKAGING 1	PACKAGING RESOURCE #1
Comment: PACKAGING RESOURCE #1 Identify and Stock Location: ST 256		P 07/11/08
9.0	QC21	FINAL INSPECTION/W/O RELEASE
Comment: FINAL INSPECTION/W/O RELEASE		H 07/11/09
Job Completion		 <i>u 07-11-08</i>

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

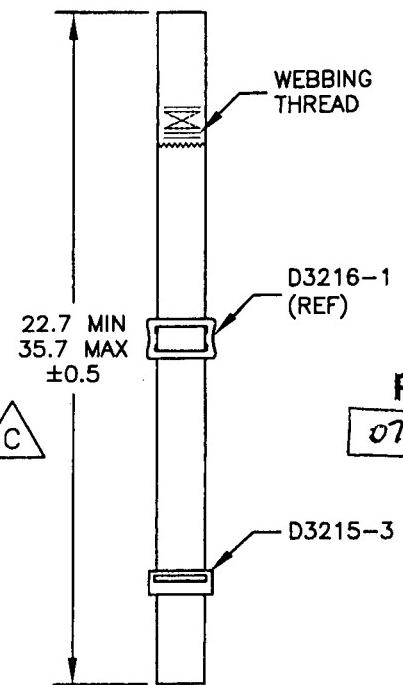
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART

DESIGN <i>QP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>CE</i>	APPROVED <i>-H</i>	DRAWING NO. D3215	REV. D SHEET 1 OF 3
DATE 07.03.27		TITLE BELT ASSEMBLY	SCALE NTS
A	03.09.19	NEW ISSUE	
B	04.01.12	AS MANUFACTURED; ADD TOLERANCE	
C	04.03.05	REDUCE LENGTH; CLARIFY STITCHING	
D	07.03.27	ADD WEBBING SUPPLIER; ADD LABEL THREAD AND MATERIAL; IN VIEW A-A, 1.4 WAS 1.8; ADD -3A AND -3B; UPDATE TOLERANCES	



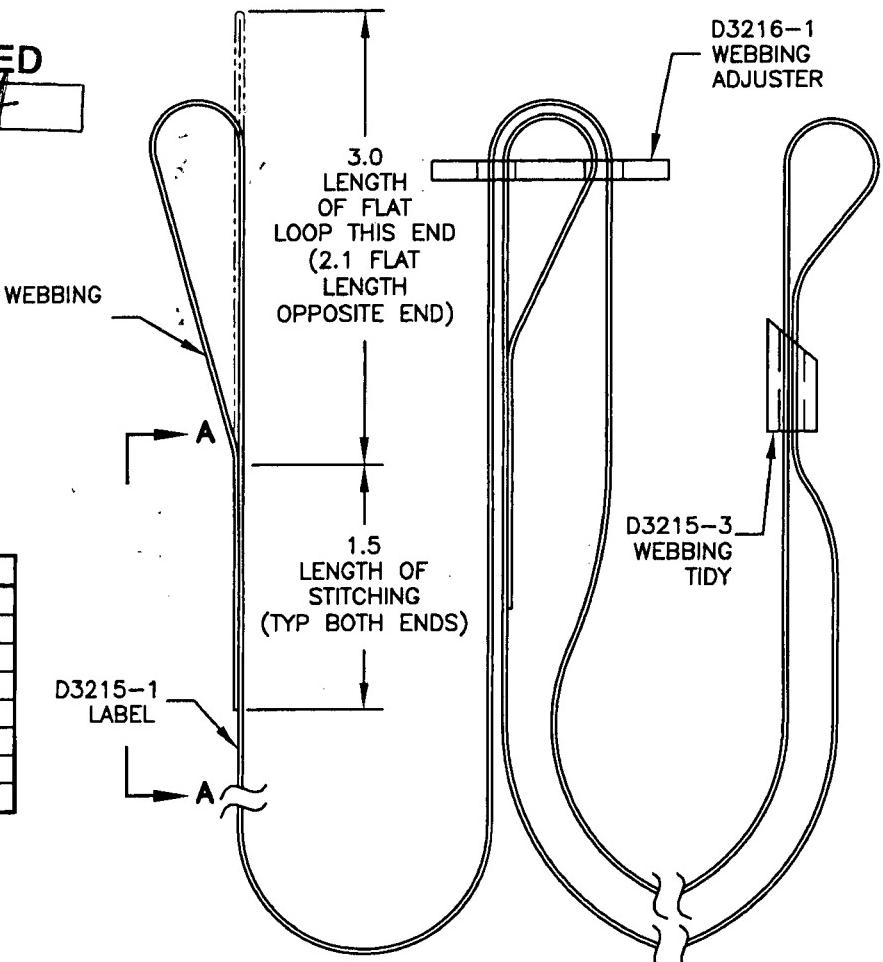
RELEASED

07.06.07

ASSEMBLY DETAIL
NOT TO SCALE

PARTS LIST:

QTY	P/N	DESCRIPTION
X	D3215-041	BELT ASSEMBLY
AS REQ'D	SEE NOTE 1	WEBBING
AS REQ'D	SEE NOTE 1	WEBBING THREAD
AS REQ'D	SEE NOTE 1	LABEL THREAD
1	D3215-1	LABEL
1	D3215-3	WEBBING TIDY
1	D3216-1	WEBBING ADJUSTER



D3215-041 BELT ASSEMBLY:

1) MATERIAL: WEBBING = LAGRAN CANADA INC. 26472, 1.8 WIDE x 0.05 THICK BLACK POLYESTER WEBBING, CERTIFIED TO FAR 29.853A3, TENSILE STRENGTH 5700 lb MIN

OR BELT TECH CANADA INC. 27039, 1.8 WIDE x 0.05 THICK BLACK POLYESTER WEBBING, CERTIFIED TO FAR 29.853A3, TENSILE STRENGTH 6000 lb MIN

WEBBING THREAD = V-T-295 TYPE II CLASS A SIZE 3, BLACK NYLON THREAD
LABEL THREAD = V-T-295 TYPE II CLASS A SIZE F, BLACK NYLON THREAD

2) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

4) SEE SHEET 3 FOR VIEW A-A

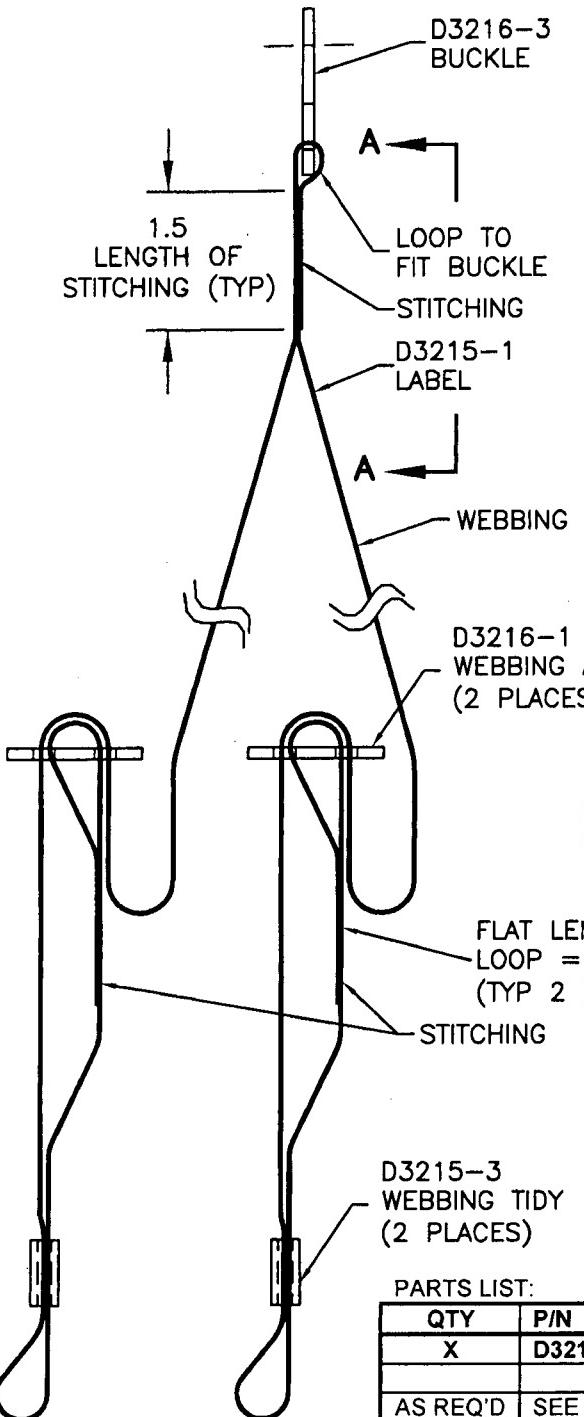
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DART

DESIGN <i>QP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>CE</i>	APPROVED <i>H</i>	DRAWING NO. D3215	REV. D SHEET 2 OF 3
DATE 07.03.27		TITLE BELT ASSEMBLY	SCALE NTS

**D3215-043 BELT ASSEMBLY:**

1) MATERIAL:

WEBBING = LAGRAN CANADA INC. 26472, 1.8 WIDE x 0.05 THICK BLACK POLYESTER WEBBING, CERTIFIED TO FAR 29.853A3, TENSILE STRENGTH 5700 lb MIN

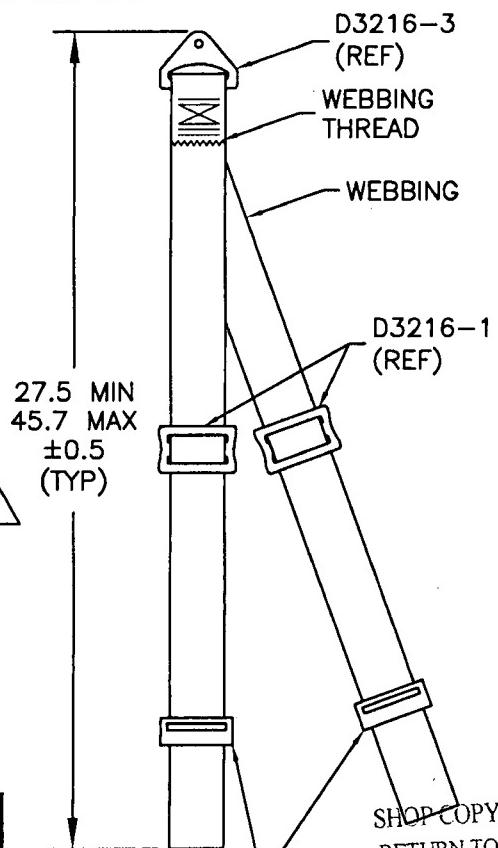
OR BELT TECH CANADA INC. 27039, 1.8 WIDE x 0.05 THICK BLACK POLYESTER WEBBING, CERTIFIED TO FAR 29.853A3, TENSILE STRENGTH 6000 lb MIN

WEBBING THREAD = V-T-295 TYPE II CLASS A SIZE 3, BLACK NYLON THREAD
LABEL THREAD = V-T-295 TYPE II CLASS A SIZE F, BLACK NYLON THREAD

2) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

4) SEE SHEET 3 FOR VIEW A-A



ASSEMBLY DETAIL
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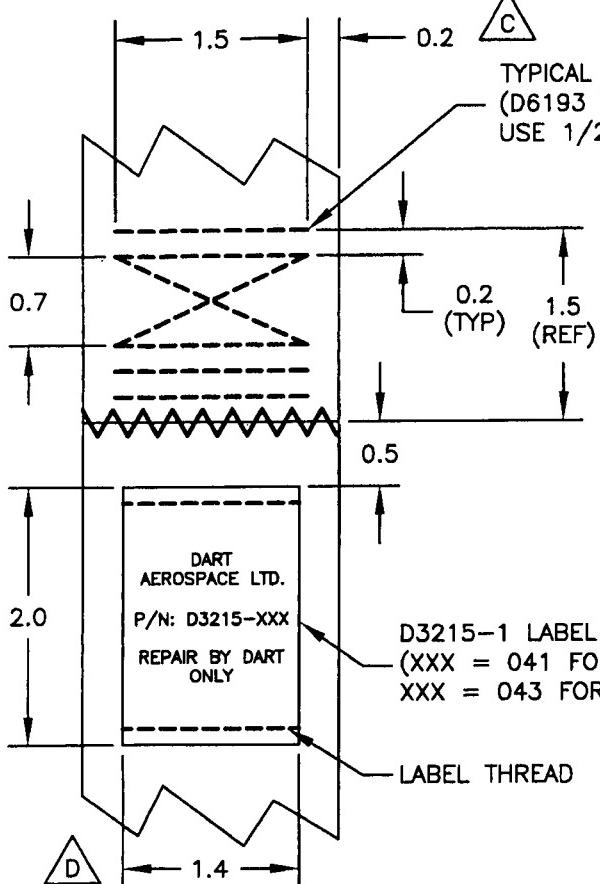
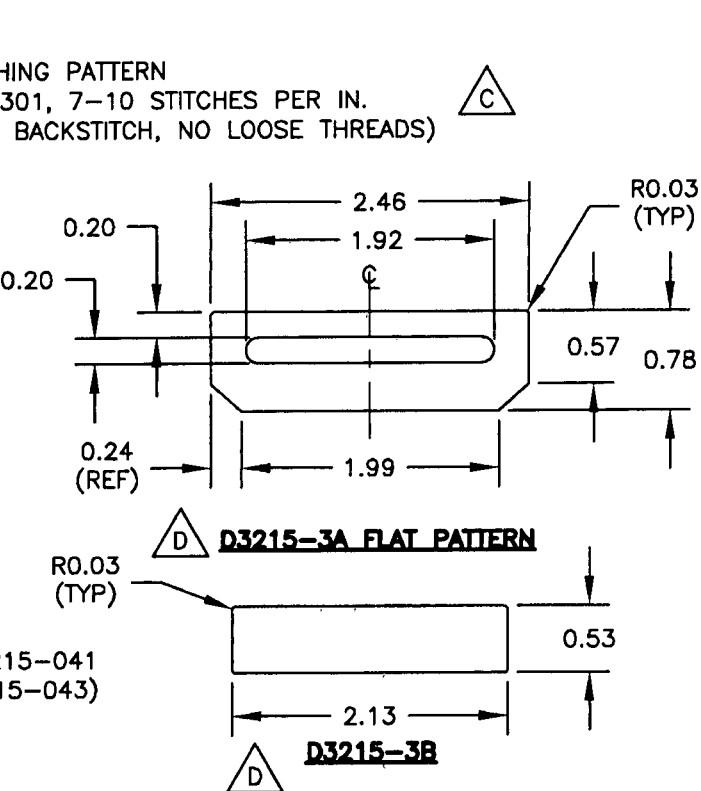
WORK ORDER
NO 35254

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DART

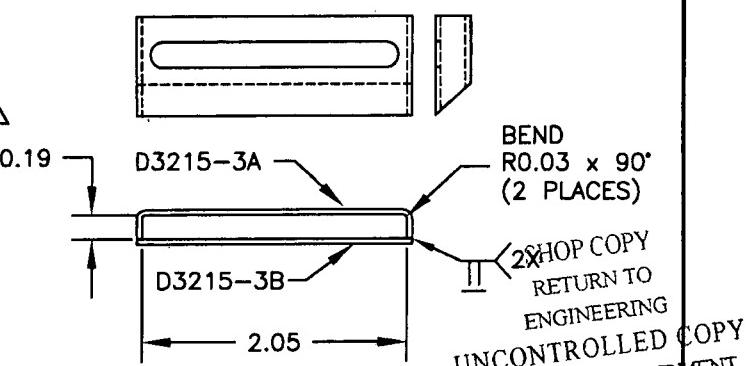
DESIGN <i>QP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>CE</i>	APPROVED <i>SH</i>	DRAWING NO. D3215	REV. D SHEET 3 OF 3
DATE 07.03.27		TITLE HARNESS ASSEMBLY	SCALE 3:2

**VIEW A-A****D3215-3A/-3B NOTES:**

- 1) MATERIAL: 5052-H32 ALUMINUM SHEET, 0.040 THICK PER QQ-A-250/8 OR AMS 4016 (REF DART SPEC. M5052H32S.040)
- 2) BEND D3215-3A PER D3215-3

D3215-1 LABEL:

- 1) MATERIAL: WHITE TYVEK OR WHITE POLYESTER WHICH MEETS FMVSS 302
- 2) USE 1/8 BLACK LETTERING
- 3) CENTER ON BELT WIDTH

RELEASED07.06.07 *#***D3215-3 NOTES:**

- 1) WELD PER DART QSI 004
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT BLACK SANTEX (4.3.5.7)
PER DART QSI 005 4.3

GENERAL NOTES:

- 1) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

PACKING SLIP

TULMAR

Tulmar Safety Systems Inc.

1123 Cameron Street
Hawkesbury, ON K6A 2B8 CA
Tel: 613-632-1282
Fax: 613-632-2030
MID : CAULSAF1123HAW

email: info@tulmar.com

Bill No:

Dart Aerospace
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7. Canada

Order No.	Order Date
20412	22-Oct-07

Customer PO Number
PO00004863

Item No.

Description

Customer No.	Sales Rep.
CDART100	Barney Bangs
Ship Via	PPD/COL
Pick-Up	

8937
Belt Ass'y./2" wide, Black Webbing
Drawing No: D3215-041

Rev: D

Comments:

Lot No: BATCH0000000021 **Qty:** 42

Qty	UOM	Qty Shipped/Returned	Qty Backordered
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42

8937
Belt Ass'y./2" wide, Black Webbing
Drawing No: D3215-041

Rev: D

Comments: Revised PO rec'd on 10/31/07

Lot No: BATCH0000000020 **Qty:** 8

8	EA	8
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8938
Belt Ass'y./2" wide, black Webbing
Drawing No: D3215-043

Rev: D

Comments:

Lot No: BATCH0000000015 **Qty:** 8

8	EA	8
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Packing Slip No.

27498

Ship Date

7-Nov-07

Ship To:

Dart Aerospace
1270 Aberdeen Street
Tel: 613-632-9577
Contact: C. Lavoie
Hawkesbury, ON K6A 1K7. Canada
613-632-3336

Release Note No.
R92-27498

Qty Backordered

Barney Bangs
PPD/COL

Jeff mean